



SEQUENCE LISTING

<110> Bao, Yijia P.
Muller, Uwe R.

<120> LABEL-FREE GENE EXPRESSION PROFILING WITH UNIVERSAL NANOPARTICLE
PROBES IN MICROARRAY ASSAY FORMAT

<130> 03-214-A

<140> US 10/789,831

<141> 2004-02-27

<150> US 60/450,268

<151> 2003-02-27

<160> 24

<170> PatentIn version 3.3

<210> 1

<211> 70

<212> DNA

<213> Artificial

<220>

<223> cytochrome c oxidase subunit Vic sense oligo

<220>

<221> Unsure

<222> (1)..(1)

<223> c comprises a free amine

<400> 1

ctgtttgtca ctgggtgacc tcccgctcctt gtgggcgctc cacgggcctt ggtctacggg 60

ccttcattgag 70

<210> 2

<211> 70

<212> DNA

<213> Artificial

<220>

<223> Beta actin sense oligo

<220>

<221> unsure

<222> (1)..(1)

<223> t comprises a free amine

<400> 2

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gccgaggact

70

<210> 3
<211> 50
<212> DNA
<213> Artificial

<220>
<223> glutamyl-prolyl-tRNA synthetase capture sequence 1

<220>
<221> unsure
<222> (50)..(50)
<223> t comprises a free amine

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<210> 4
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<212> DNA
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<220>
<223> Homo sapiens cDNA clone IMAGE:4093756, partial cds capture
sequence 2

<220>
<221> unsure
<222> (50)..(50)
<223> t comprises a free amine

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acacatccgt ctctctgcg atataaccaa atggtgtttg acggttgaat

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<210> 5
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<212> DNA
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<220>
<223> Homo sapiens cDNA clone IMAGE:4093756, partial cds capture
sequence 2B

<220>
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<222> (50)..(50)
<223> c comprises a free amine

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<210> 6
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 <212> DNA
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 <220>
 <223> hypothetical protein FLJ14668 capture sequence 3

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> a comprises a free amine

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 taaggagtc agctcatcct agcccaagtt gcttactttt tctcccttga 50

 <210> 7
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 <212> DNA
 <213> Artificial

 <220>
 <223> 3-ketoacyl CoA thiolase beta-subunit of mitochondrial
 trifunctional protein, exon 8, 9, 10 capture sequence 4

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> a comprises a free amine

 <400> 7
 ccgtagggct tgatgaatgc aggttttagt ttggccatct gctccagtga 50

 <210> 8
 <211> 50
 <212> DNA
 <213> Artificial

 <220>
 <223> chromatin assembly factor 1, subunit B (p60) capture sequence 5

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> t comprises a free amine

 <400> 8
 tgtgtgcact ttcacgagga tgccagggag gactcactga ttttcacact 50

<210> 9
 <211> 50
 <212> DNA
 <213> Artificial

 <220>
 <223> chromatin assembly factor 1, subunit B (p60) capture sequence 5B

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> c comprises a free amine

 <400> 9
 atactctaaa attcgacaga gtaaaatctc aaattacttt ctcattcttc 50

 <210> 10
 <211> 50
 <212> DNA
 <213> Artificial

 <220>
 <223> transcription factor 3, TCF3 capture sequence 6

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> g comprises a free amine

 <400> 10
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 <210> 11
 <211> 50
 <212> DNA
 <213> Artificial

 <220>
 <223> cDNA FLJ37123 fis capture sequence 7

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> c comprises a free amine

 <400> 11
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 <210> 12
 <211> 49
 <212> DNA

<213> Artificial

<220>

<223> cDNA FLJ37123 fis capture sequence 7S

<220>

<221> unsure

<222> (1)..(1)

<223> a comprises a free amine

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49

<210> 13

<211> 50

<212> DNA

<213> Artificial

<220>

<223> adenosine monophosphate deaminase 2, isoform L capture sequence 8

<220>

<221> unsure

<222> (50)..(50)

<223> t comprises a free amine

<400> 13

aacaccactc ccggggttga gtggcagatc caggactttg cagcaactgt

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<210> 14

<211> 50

<212> DNA

<213> Artificial

<220>

<223> adenosine monophosphate deaminase 2, isoform L capture sequence
8B

<220>

<221> unsure

<222> (50)..(50)

<223> a comprises a free amine

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tatgaaacac tgcagttcac agcaaaggcc tcagtccaga acacaacata

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<210> 15

<211> 50

<212> DNA

<213> Artificial

<220>
 <223> chromatin assembly factor 1, subunit B (p60) capture sequence 9

<220>
 <221> unsure
 <222> (50)..(50)
 <223> t comprises a free amine

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<210> 16
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 <213> Artificial

<220>
 <223> isoleucine-tRNA synthetase capture sequence 10

<220>
 <221> unsure
 <222> (50)..(50)
 <223> a comprises a free amine

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<210> 17
 <211> 50
 <212> DNA
 <213> Artificial

<220>
 <223> seryl-tRNA synthetase capture sequence 11

<220>
 <221> unsure
 <222> (50)..(50)
 <223> a comprises a free amine

<400> 17
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<210> 18
 <211> 50
 <212> DNA
 <213> Artificial

<220>
 <223> Ribosomal Protein L32 capture sequence 12

<220>
 <221> unsure
 <222> (50)..(50)
 <223> t comprises a free amine

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 <210> 19
 <211> 50
 <212> DNA
 <213> Artificial

 <220>
 <223> actin, beta capture sequence 13

 <220>
 <221> unsure
 <222> (50)..(50)
 <223> g comprises a free amine

 <400> 19
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 <210> 20
 <211> 49
 <212> DNA
 <213> Artificial

 <220>
 <223> actin, beta capture sequence 13S

 <220>
 <221> unsure
 <222> (1)..(1)
 <223> t comprises a free amine

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 <210> 21
 <211> 50
 <212> DNA
 <213> Artificial

 <220>
 <223> ubiquitin B capture sequence 14

 <220>
 <221> unsure

<222> (50)..(50)
 <223> t comprises a free amine

 <400> 21
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 <210> 22
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> detection probe

 <220>
 <221> unsure
 <222> (1)..(1)
 <223> a comprises an epiandrosterone disulfide group

 <400> 22
 aaaaaaaaaa aaaaaaaaaa 20

 <210> 23
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> detection probe

 <220>
 <221> unsure
 <222> (1)..(1)
 <223> t comprises an epiandrosterone disulfide group

 <400> 23
 tttttttttt tttttttttt 20

 <210> 24
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> detection probe

 <400> 24
 aaaaaaaaaa aaaaaaaaaa 20